Date: Mon, 18 Jul 94 04:30:31 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #200
To: Ham-Homebrew

Ham-Homebrew Digest Mon, 18 Jul 94 Volume 94 : Issue 200

Today's Topics:
RS trimmer caps

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

Date: Sun, 17 Jul 1994 22:17:05 GMT
From: psinntp!arrl.org!zlau@uunet.uu.net
Subject: RS trimmer caps
To: ham-homebrew@ucsd.edu

jdow on BIX (jdow@BIX.com) wrote:

: Someone at Rockwell had designed a 20 watt transistor amp for a project we had.
: It used mica compression trimmers at 240MHz. It was a bear to tune up and
: performed rather poorly. Another engineer removed the compression trimmers
: and put in Johansen ceramic slug type trimmers. (Not the little round pills.)
: He took out the driver stage and one of the two transistors in the PA. When
: tuned up it gave more power output for less power input. I get amazed every
: time I open something that is supposed to work at frequencies above 200Mhz
: and see such beasties. (I note that the 35 watt PA in the 450MHz Syntor I
: have has one. <sigh>)

I've had good luck using high quality porcelain chip capacitors in
parallel with air variable trimmers, at least at lower frequencies.

However, be careful when modifying such circuits. Sometimes the
high loss is needed for stability--though you might be able to

add a resistor to restore maintain stability.
--
Zack Lau KH6CP/1   2 way QRP WAS
                           8 States on 10 GHz
Internet: zlau@arrl.org   10 grids on 2304 MHz

End of Ham-Homebrew Digest V94 #200
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